Handheld nozzle multi-flow Turbo-Strike 150 HP - AWG



When dealing with incipient fires, rapidly spreading fires, or vehicle fires, the challenge is to have equipment that is **responsive**, **easy to read**, and **adaptable**. The **AWG Turbo-Strike 150 HP variable-flow (LDV) hollow-jethandheld nozzle r** was designed for**rapid-response** operations and use with **a reel**, featuring a range of flow rates that allow the action to be adjusted to the objective (attack, protection, cooling) without changing equipment.

handheld nozzle Choosing the Right Nozzle for the Initial Attack

This configuration is particularly well-suited for SDIS field operations: rapid deployment, reproducible settings, and clear technical data to facilitate the standardization of a fleet (vehicles, hose reels, response kits).

Key data:

- **Selectable flow rates:** 20/40/100/150 L/min (**at 6 bar**)
- **Spray pattern adjustment:** 0–120° (from straight stream to fan spray)
- **Maximum pressure:** 40 bar (HP / PN depending on model)
- **Compliance:** DIN EN 15182-4
- **Materials:** Anodized aluminum, polyamide (handles/bumper)
- **Dimensions:** 245/100/230 mm — **Weight:** 1.3 kg (without coupling)

0–120° spray pattern adjustment: attack, protection, and cooling

The **straight spray pattern** is generally preferred for targeted and precise action. The **fan spray pattern**, adjustable from **0 to 120°**, is useful when the objective is to **cover**, **protect**, or **cool** exposed elements. The stepless adjustment allows the spray pattern to be adapted to changing conditions while maintaining a consistent flow rate.

Technical Specifications

Inlet	1" (DN25) – connection as per model
Flow Rates (at 6 bar)	20 / 40 / 100 / 150 L/min
Spray	0–120°
Maximum pressure	40 bar
Weight (without coupling)	1.3 kg
Dimensions (L/W/H)	245 / 100 / 230 mm
Materials	Anodized aluminum, polyamide
Standard	DIN EN 15182-4

Connection options: comparison table (GFR / BSP / SYM)

Flow rates are identical; the choice depends primarily on the **connection standard**, the **operating pressure** (PN16/PN40), and ergonomics (weight/dimensions).

MMF Part No.	Connection	Working pressure	HP
41345	GFR DN20 F	PN16	
41309	1" BSP F	PN40	HP
41365	GFR HP DN20 F	PN40	HP
41372	SYM DN25	PN16	

High Pressure PN40: Compatibility and Consistency of the Equipment Fleet

It is possible to integrate **PN16** and **PN40** equipment within the same system, provided that the entire system is considered as a whole: the overall allowable pressure is limited by the **component with the lowest PN rating** (pipes, fittings, accessories). In fire department or industrial settings, operational reliability depends on **standardization** whenever possible, or on a **clear segmentation** of equipment batches (PN16 vs. PN40) with well-defined compatibility rules.

Accessories: GR1 “ foam tube ” and Compatibility

The **GR1foam tube e for the DMR 150** (part no. MMF **41362**) allows for expanded use in common foam applications. The foam ratio is stated to be **adjustable from 0 to 20** depending on the setting between full stream and spray, with quick installation via a snap-in/lock mechanism.

FAQ: Connection, Flow Rates, and Spray Pattern

1. **Which version should you choose based on your connection system?**
   The choice depends first on the existing connection standard (GFR DN20F, SYM DN25, BSP 1", etc.), and then on the expected operating pressure (PN16 or PN40). For a high-pressure configuration, opt for the PN40 models to ensure overall consistency.
2. **At what pressure are the flow rates of 20/40/100/150 L/min specified?**
   They are specified **at 6 bar** (reference pressure). In actual use, the flow rate varies depending on the available pressure and pressure drops caused by the hose, fittings, and accessories.

3. **When should one switch from a straight stream to a fan spray (0–120°)?**
   The**straight stream** is suitable for a targeted attack. The**fan** spray is useful when the objective is coverage, protection, or cooling. The stepless adjustment allows the spray pattern to be adapted to the scenario without changing equipment.
4. **Can a PN40 handheld nozzle be integrated into a fleet that includes PN16 equipment?**
   Yes, provided you consider the entire system: the overall allowable pressure is limited by the weakest PN link. To reduce the risk of errors, it is recommended to standardize the equipment fleet or to clearly distinguish between PN16 and PN40 sets.
5. **What is the benefit of the GR1 foam tube on a multi-purpose handheld nozzle?**
   The GR1 “ foam tube ” (MMF ref. 41362) expands its range of uses to include common foam applications, with an adjustable flow rate ranging from 0 to 20 depending on the setting between full stream and spray, and quick deployment.

MMF Expertise: Consulting and Service Continuity

MMF Protection et Sécurité supports its customers—including fire departments (SDIS), industrial companies, and operators of sensitive sites—in selecting configurations (connections, PN16/PN40 compatibility, fleet standardization) and in adapting to on-site constraints. The company draws on its workshop expertise and its status as **an authorized repair center for major** fire equipment **brands** to help ensure service continuity (consulting, diagnostics, and maintenance where applicable). Do you have a specific need? A technical inquiry? The MMF team is here to help! We are **available by phone (at 04 78 00 00 25)** and **by** email to confirm compatibility or guide you in selecting the right model.